

**Amendments to the Abstract**

Please **add** the following Abstract to this application.

--. The invention consists in a procedure for generating an address value within a terminal linked to a communication network. Initially, the terminal receives a pair of address values sent by a configured terminal. Then, the terminal determines a characteristic value of the network which is contained in the first and the second address values. The terminal then calculates a third address value containing the characteristic value of the network. Finally, the terminal assigns the third address value to the terminal if this value is not already assigned to another terminal. According to a refinement, the terminal sends a request to a terminal having this third address request; if there is no response, this third address value does not belong to another terminal, so it can be assigned to the terminal to be configured. The invention also relates to the terminal designed to implement the procedure. The invention also relates to a terminal which receives a message comprising a first and a second address values. It is assigned the second address value if it turns out that the latter is not assigned to any other terminal of the network. --